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ROMA HEATING

Underfloor Heating



RW800i - Wi-Fi Thermostat Instructions

Ultimate Control For Better Heating

DOWNLOAD THE Wi-Fi APP

Visit the Roma Heating website:

<https://www.romaheating.co.uk/rw800i-wifi-thermostat/>

Or scan the the QR-Code below with your phone or tablet to visit our **Download Section** on our website.



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INTRODUCTION



This Wi-Fi thermostat is an intuitive programmable thermostat used to control electrical or water floor heating systems. With suitable heating installed it will keep your home or office at a comfortable temperature whilst minimizing energy use. Install the APP on your smart phone to control your heating remotely from anywhere in the world or use the intuitive touch screen to control your heating locally.



TECHNICAL SPECIFICATIONS

Supply voltage: 85-250V ac 50/60Hz

Standby power: < 1W

Max load: 15A(electric heating)/3A(water heating)

IP class: IP21

Cable specification: $\leq 2.5\text{mm}^2$

INSTALLATION

Step 1:



Loosen fixing screw located in the bottom of the thermostat to release screen section. Make sure not to lose screw or bolt when removing screen, (Tip - to open unit, only loosen screw, do not remove screw).

Step 2:



Connect the back box to the heating, power and probe in according to the wiring Instructions.

Step 4:



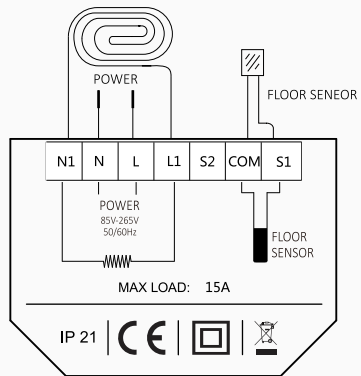
Align top of screen section with top of back box holding screen at 45 degree angle. Lower bottom of screen slowly back to wall making sure all male and female connection pins align correctly. Lock screen in place using fixing screw and bolt at bottom of thermostat.

Step 3:



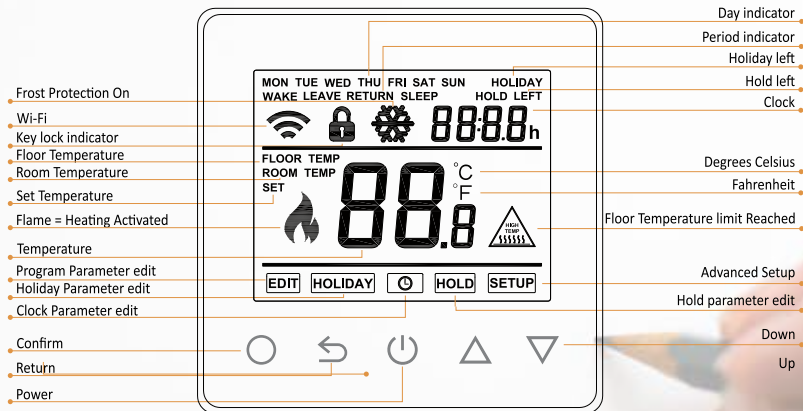
Secure the back box back to the wall box with screws provided or other suitable screws.

WIRING INSTRUCTION



Warning: Do not exceed 15amp maximum load.

THERMOSTAT SYMBOLS



WI-FI CONNECTION



STEP 3

Once registered on the APP, Click "Create family" and enter family / user information. Make sure to click "Done" when finished. Attention: Please authorize location permissions when you 'Create Family'.



STEP 2

Register and log in with mobile number/ email address into the APP.
Attention: Please read and agree "Privacy Policy and Service agreement" before registration.



STEP 4

Click "Add Device" or "+" then All devices at the top-right to add each new device.

STEP 5

Click "Wi-Fi thermostat", and follow the on screen instructions. Once the thermostat Wi-Fi icon, (top left hand side of thermostat screen) is flashing quickly, click "Press to connect" on phone. This will link your phone to your thermostat, (*see notes below).



STEP 6

Enter Wi-Fi password, and click "Confirm".



STEP 7

Once device is added successfully, you can change the device name and set time zone, click "Done" to confirm.



STEP 8

You can now check the real-time temperature, set new temperature, turn heating on and off, program heating cycle, or change settings all from your phone or by using the touch screen on the thermostat.




*If phone does not connect check, 1: No other phone has already been linked to thermostat, if another phone is already linked, either delink first phone to allow new phone to be linked, OR use first phone, (master phone) to invite other phones to join the group. The master phone can allow other phones to access every thermostat it is linked to as the master phone.
2: Check Wi-Fi is standard UK 2.4G signal.
3: When in at step 5 above Click "AP mode" in top right hand of phone screen and follow instructions to connect directly through thermostat.

▶▶▶ STEP 1

Scan the QR code or download the Warmme APP, (see page 01 in these instructions).




FUNCTIONS AND OPERATIONS

7.1 On/Off


Press  to turn On/Off.

Note: When frost protection is active, the thermostat will maintain the frost protection temperature even when it is Off.

7.2 Temporary Override Temperature


The temporary override temperature is active when thermostat is used in automated heating mode. The override temperature will only last until the next event set time and temperature kick in. To set temporary override use   buttons to change the temperature and  to confirm and return screen back to actual temperature. The new set temperature will hold until the next program cycle starts.

7.3 Key-Lock


Lock all keys to prevent the settings from being changed. On the touch screen interface, press and hold  for 3 seconds to lock or unlock the thermostat.

7.4 Set the Time

On the thermostat interface, press  and the  will flash.



Press  to enter day setting.


Press   to set day.


Press  to enter hour setting.

Press   to set hour.

Press  to enter minute setting.

Press   to set minute.

Press  to confirm and back to the day setting interface.



Press  twice to go back to the home screen interface.


* If the thermostat is connected to Wi-Fi, it will update time automatically after connecting to Wi-Fi.



7.5 Holiday Mode


In Holiday Mode, the thermostat will maintain the set temperature until the holiday time ends.



On the thermostat interface, press  and the  will flash.


Press   to select **HOLIDAY**.

Press  to enter holiday days setting.

Press   to set number of holiday days.

Press  to enter temperature setting for holiday period.

Press   to set temperature.



Press  to confirm and go back to the home screen interface.

* Set the holiday days to zero or double press  to cancel Holiday Mode.



7.6 Hold Mode

In Hold Mode, The thermostat will hold the set temperature until you cancel this mode.



On the thermostat interface, press  and the  will flash.


Press   to select **HOLD**.

Press  to enter Hold ON/OFF setting.

Press   to set Hold ON.

Press  to enter temperature setting.

Press   to set temperature.

Press  to confirm and go back to the home screen interface.

* Set hold OFF or double press  to cancel Hold Mode.


7.7 Edit Settings / Program Automated Heating Cycle.



The thermostat will always run your automated heating cycle unless you select Holiday Mode or Hold Mode.


The thermostat has a 4 event per day, 7 days a week automated cycle which must be set to suit the user.

On the thermostat interface, press  and the  will flash.


Press   to select **EDIT**.

Press  to enter day selection of Edit Setting.

Press   to select a day.



Press  to enter the event selection of the day.

Press   to select a event.

Press  to select event's starting time.


Press   to set the hour of starting time.

Press  to enter the minute setting.

Press   to set the minute of starting time.

Press  to enter the temperature setting for this event.

Press   to set the temperature.

Press  to confirm and back to the event selection of the day.



*Repeat the above steps for each 4 events per day and for all 7 days of the week.



Press  multiple times or double press  to back to the home screen interface.


7.8 Advanced Setting - Used to change Default Heating Cycle Parameters




Please note: We do not recommend changing these setting unless you are an experienced user.

The thermostat provides advanced settings to suit various special situation. These are normally set by technicians during initial installation.

On the home screen interface, press  and the  will flash.

Press   to select **SETUP**.

Press  to enter advanced setting.

Each setting can be accessed by pressing  and parameters adjusted by pressing  .

7.9 Open Window Detection

This function only works when room sensor or both sensors are selected. The thermostat with this function will shut off automatically for 15 min when the window opens, as it can detect that the room temp plummets. This is a non optional automated function helps save energy.

DEFAULT HEATING CYCLE PARAMETERS

Day	Wake	Leave	Back	Sleep
Mon-Fri	07:00 22.0°C	08:30 19.0°C	17:00 22.0°C	22:00 19.0°C
Sat/Sun	08:00 22.0°C	08:30 22.0°C	17:00 22.0°C	22:00 19.0°C

DEFAULT HEATING CYCLE PARAMETERS

No.	Name	Default	Ranges
1	Room temp calibration	0.0°C	-5.0°C -- 5.0°C
2	Floor temp calibration	0.0°C	-5.0°C -- 5.0°C
3	Frost Protection	ON	OF(OFF) ON
4	Frost Protection Temp	5.0°C	5.0°C -- 15.0°C
5	Sensor selection	01: Floor sensor	00: Room sensor 01: Floor sensor 02: Both sensors
6	Floor temp limit	30.0°C	20.0°C -- 50.0°C
7	Temp unit	00: °C	00: °C 01: °F
8	Output delay	00: 00s	00: 00s 01: 30s 02: 60s 03: 90s
9	Temp deviation	01: 1.0°C	00: 0.5°C 01: 1.0°C 02: 2.0°C 03: 3.0°C
10	Reverse output	00: OFF	00: OFF 01: ON
11	Automated heating cycle schedule	01: 5+1+1	00: 7 01: 5+1+1
12	Adaptive function	01: ON	00: OFF 01: ON
13	Reset	00: No	00: No 01: YES

- Room temp calibration:** Calibrate the temp detected by room sensor.
- Floor temp calibration:** Calibrate the temp detected by floor sensor.
- + 4. Frost protection:** The thermostat will maintain this minimum temperature even if switched off as long as. ❄️ symbol is display on the thermostat screen.

For hydronic heating systems, it is used to stop pipes from freezing when heating is not in use.

5. Sensor selection:

00 Room sensor: Heating controlled by room sensor.

01 Floor sensor: Heating controlled by floor sensor.

02 Both sensors: Heating controlled by combination of room sensor with floor temp limit.

6. **Floor temp limit:** If you choose both sensors, floor temp limit must be set to protect floor from overheating.

7. **Temp unit:** °C and °F can be selected.

8. **Output delay:** This option help you avoid inadvertent operation on heating.

9. **Temp deviation:** The deviation is defaulted to 1°C. This means the thermostat start to work when the actual temp is 1°C lower than set temp and stop to work when the actual temp is 1°C higher than set temp.

10. **Reverse output:** This function works for the cooling system. When the temp is 1°C higher than set temp, the thermostat will disconnect the cooling system. otherwise, it will connect the cooling system.

11. **Automated heating cycle schedule:** Select a weekly schedule to automate heating. There are 2 options:

7: each day from Mon to Sun can be set individually.

5+1+1: 5 days from Mon to Fri have the same event settings, Sat and Sun can be set individually.

12. **Adaptive function:** After several days of installation and use, Adaptive function ensures that the required temp has already been reached when the next event begins so on cold days the heating is not lagging behind.

13. **Reset:** All parameters are restored to factory default values.

ERROR CODES

E1: Room sensor error.

E2: Floor sensor error.

TROUBLE SHOOTING

If your phone does not connect to the APP:

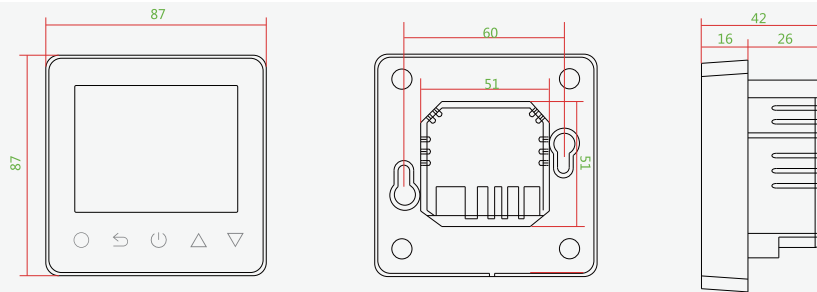
Check there is not already a smart phone connected to the thermostat. Multiple phones can be use to control the thermostat but only one master phone can be linked directly to each thermostat. To link multiple phones to a thermostat, use the master phone to give other phones control over each thermostat through the Warmme APP. Alternatively disconnect the master phone which will allow a new master phone to be linked to the thermostat.

Thermostat will not connect to the router / internet:

Make sure your router is sending a standard 2.4GHz bandwidth signal. 2.4GHz is the standard router bandwidth in the UK but some routers are set at 5GHz which will not work with this thermostat.

If thermostat does not connect to the home WiFi: Go back to step 5 on the APP setup, page 6 in this booklet and try to connect by clicking "AP mode" on your phone screen in the Warmme APP. This lets your phone connect directly to the thermostat rather than through the home Wi-Fi. Wi-Fi can then be set up later when the signal is stable.

DIMENSIONS(MM)



AVAILABLE IN 3 COLOURS

White



Black & Silver



Black



ROMA HEATING

Underfloor Heating

ABOUT ROMA HEATING

Roma underfloor heating is dedicated to providing high quality under floor heating systems for use under virtually all floor coverings including tile, stone, wood, laminate and carpet. We invest time and money making sure all our heating systems and ancillary products are fit for purpose and backed up by trained advisers and a knowledgeable technical team to help you on your way.

WHY BUY FROM ROMA HEATING?

Roma underfloor heating will always take the utmost care of you the customer, constantly finding ways to make the experience more enjoyable and hassle free, we understand that underfloor heating can be a daunting subject when first looked at. If you're not sure of anything please feel free to give us a call and one of our underfloor heating experts will be glad to help you with your underfloor heating questions.

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